What is claimed is:

1. A composition comprising a mixture of dialkoxy and trialkoxy hydroxyalkylenecarbamoylalkylene-alkoxysilanes in which the molar ratio of dialkoxy to triethoxy hydroxyalkylenecarbamoylalkylene-alkoxysilane is in the range from about 1:3 to about 3:1.

2. The composition of claim 1 comprising polyols and isocyanates that can thermally react at temperatures below 200°C.

3. The composition of claim 1 comprising less than 10 weight % of nonreactive components.

4. The composition of claim 3 comprising less than 5 weight % of nonreactive components.

5. The composition of claim 4 containing essentially no solvent.

6. The composition of claim 4 having a setting time of about 2 to about 20 minutes.

7. The composition of claim 1 comprising a prepolymer that is formed from reacting a mixture comprising diisocyanates and diols in a diisocyanate : diol molar ratio ranging between about 3:1 to about 5:1.

8. The composition of claim 7 comprising a prepolymer that is formed by reacting a mixture comprising diisocyanates and diols in a diisocyanate : diol molar ratio of about 4:1.

9. The composition of claim 7 wherein the prepolymer is storage stable at room temperature such that its viscosity changes by less than 10% over a period of 10 days.

10. The composition of claim 1 wherein the alkoxy groups in the di and trialkoxy adhesion promoters are independently selected from the group consisting of ethoxy, propoxy, butoxy, pentoxy, and hexoxy.

11. The composition of claim 1 wherein the composition is shear-thinning.

12. The composition of claim 1 wherein the adhesion promoters comprise 2-hydroxy-1-methylethyl N-[3-(1,1-diethoxy-1-methylsilyl)propyl)carbamate (HPDEMSC) and 2-hydroxy-1-methylethyl N-[3-(1,1,1-triethoxy-1-methylsilyl)propyl)carbamate (HPTESC).